

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|---------------------------|------------------|
| 1 | 5 | "5523669" | USPAT | 2004/10/13 16:05 |
| - | 154 | 381/107.ccls. and switch\$3 SAME control | USPAT | 2004/05/11 13:25 |
| - | 0 | 381/107.ccls. and switch\$3 WITH control SAME pattern adj3 generat\$3 | USPAT | 2004/05/11 13:30 |
| - | 134 | 381/107.ccls. and switch\$3 WITH control | USPAT | 2004/05/11 13:31 |
| - | 36 | 381/107.ccls. and switch\$3 WITH control SAME resist\$3 | USPAT; US-PGPUB | 2004/05/11 13:34 |
| - | 11 | 381/104.ccls. and switch\$3 SAME transistors SAME resistor | USPAT; US-PGPUB | 2004/05/11 13:36 |
| - | 11 | 381/104.ccls. and switch\$3 SAME transistors SAME resistor | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:37 |
| - | 10 | 381/107.ccls. and switch\$3 SAME transistors SAME resistor | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:37 |
| - | 1 | JP08102990 | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:38 |
| - | 0 | JP8102990 | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:38 |
| - | 1 | "08102990" | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:43 |
| - | 1 | "08139531" | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:47 |
| - | 2 | "06054452" | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:48 |
| - | 0 | "005523669" | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:48 |
| - | 1 | "05523669" | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:49 |
| - | 90 | 381/104-107.ccls. and switch SAME resistor SAME control | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:51 |
| - | 38 | 381/104-107.ccls. and switch WITH resistor WITH control | USPAT; US-PGPUB; EPO; JPO | 2004/05/11 13:51 |
| - | 37 | 381/104-107.ccls. and switch WITH resistor WITH control | USPAT; US-PGPUB | 2004/05/11 13:54 |
| - | 45 | 381/104-109.ccls. and switch WITH resistor WITH control | USPAT; US-PGPUB | 2004/05/11 13:56 |
| - | 14 | 381/61.ccls. and switch WITH resistor WITH control | USPAT; US-PGPUB | 2004/05/11 13:56 |
| - | 9 | 381/94.5.ccls. and switch WITH resistor WITH control | USPAT; US-PGPUB | 2004/05/11 13:58 |
| - | 0 | 381/107.ccls. and switch WITH sound SAME pattern SAME generat\$3 | USPAT; US-PGPUB | 2004/05/11 13:59 |
| - | 0 | 381/109.ccls. and switch WITH sound SAME pattern SAME generat\$3 | USPAT; US-PGPUB | 2004/05/11 13:59 |
| - | 0 | 381/104.ccls. and switch WITH sound SAME pattern SAME generat\$3 | USPAT; US-PGPUB | 2004/05/11 13:59 |
| - | 10 | 381/104.ccls. and switch WITH comparator | USPAT; US-PGPUB | 2004/05/11 14:14 |
| - | 24 | 381/107.ccls. and switch WITH comparator | USPAT; US-PGPUB | 2004/05/11 14:10 |
| - | 2 | 381/109.ccls. and switch WITH comparator | USPAT; US-PGPUB | 2004/05/11 14:10 |
| - | 31 | 381/107.ccls. and switch SAME transistor | USPAT; US-PGPUB | 2004/05/11 14:14 |
| - | 199 | 381/123.ccls. | USPAT | 2004/05/12 09:45 |

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|--|--|----|--|---------------------------|------------------|
| | | 5 | 381/123.ccls. and switch\$3 SAME transistors SAME resistors | USPAT | 2004/05/12 09:47 |
| | | 33 | 381/123.ccls. and switch\$3 SAME resistors | USPAT | 2004/05/12 10:04 |
| | | 20 | 381/123.ccls. and switch\$3 WITH resistors | USPAT | 2004/05/12 09:57 |
| | | 12 | 381/123.ccls. and switch\$3 SAME comparator | USPAT | 2004/05/12 10:03 |
| | | 4 | 381/123.ccls. and switch\$3 SAME sound adj3 generat\$3 | USPAT | 2004/05/12 10:05 |
| | | 0 | 381/123.ccls. and switch\$3 SAME sound adj3 pattern adj3 generat\$3 | USPAT | 2004/05/12 10:05 |
| | | 0 | 381/\$.ccls. and switch\$3 SAME sound adj3 pattern adj3 generat\$3 | USPAT | 2004/05/12 10:05 |
| | | 0 | 381/111.ccls. and sound adj3 pattern adj3 generat\$3 | USPAT | 2004/05/12 10:06 |
| | | 16 | 381/115-117.ccls. and sound adj3 generat\$3 | USPAT | 2004/05/12 10:10 |
| | | 0 | 381/115-117.ccls. and pattern adj3 generat\$3 | USPAT | 2004/05/12 10:10 |
| | | 2 | 381/115-117.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT | 2004/05/12 10:14 |
| | | 1 | 381/104.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT | 2004/05/12 10:15 |
| | | 0 | 381/107.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:15 |
| | | 1 | 381/123.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:16 |
| | | 6 | 381/115-117.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:17 |
| | | 2 | 381/61.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:19 |
| | | 0 | 381/109.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:21 |
| | | 49 | 330/251.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:30 |
| | | 42 | 330/207A.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:27 |
| | | 92 | 330/10.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME (loudspeaker or speaker) SAME switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:22 |
| | | 31 | 330/10.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) WITH (loudspeaker or speaker) WITH switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:22 |
| | | 12 | 330/207A.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) WITH (loudspeaker or speaker) WITH switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:27 |
| | | 18 | 330/251.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) WITH (loudspeaker or speaker) WITH switch\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:31 |
| | | 13 | 330/251.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) SAME switch\$3 SAME resistors | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:39 |
| | | 11 | 330/10.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) WITH switch\$3 WITH resistors | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:40 |
| | | 4 | 330/207A.ccls. and (PWM or pulse adj3 width adj3 modulat\$3) WITH switch\$3 WITH resistors | USPAT; US-PGPUB; EPO; JPO | 2004/05/12 10:40 |
| | | 59 | 381/107.ccls. and switch\$3 WITH volume | USPAT | 2004/09/29 14:55 |
| | | 26 | 381/123.ccls. and switch\$3 WITH volume | USPAT | 2004/09/29 14:56 |
| | | 4 | 381/123.ccls. and switch\$3 SAME resist\$3 WITH volume | USPAT; US-PGPUB; EPO; JPO | 2004/09/29 14:57 |
| | | 62 | 381/104-109.ccls. and switch\$3 SAME resist\$3 WITH volume | USPAT; US-PGPUB; EPO; JPO | 2004/09/29 14:58 |

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| - | 19 | 381/104.ccls. and switch\$3 WITH resist\$3 WITH volume | USPAT; US-PGPUB; EPO; JPO | 2004/09/29 14:58 |
| - | 184 | 381/107.ccls. and switch\$3 | USPAT | 2004/10/13 11:19 |
| - | 77 | 381/107.ccls. and switch\$3 SAME resist\$3 | USPAT | 2004/10/13 11:20 |
| - | 59 | 381/107.ccls. and switch\$3 WITH resist\$3 | USPAT | 2004/10/13 11:33 |
| - | 48 | 381/123.ccls. and switch\$3 WITH resist\$3 | USPAT | 2004/10/13 14:12 |
| - | 0 | 381/107.ccls. and switch\$3 WITH resist\$3 SAME loudspeaker | EPO; JPO | 2004/10/13 14:13 |
| - | 1 | 381/107.ccls. and switch\$3 SAME resist\$3 SAME loudspeaker | EPO; JPO | 2004/10/13 14:13 |
| - | 4 | 381/107.ccls. and switch\$3 SAME resist\$3 SAME volume | EPO; JPO | 2004/10/13 14:24 |
| - | 7 | 381/104.ccls. and switch\$3 SAME resist\$3 SAME volume | EPO; JPO | 2004/10/13 14:16 |
| - | 3 | 381/59.ccls. and switch\$3 SAME resist\$3 SAME volume | USPAT | 2004/10/13 14:27 |
| - | 0 | 381/111.ccls. and switch\$3 SAME resist\$3 SAME volume | USPAT | 2004/10/13 14:28 |
| - | 63 | 330/\$.ccls. and switch\$3 SAME resist\$3 SAME volume | USPAT | 2004/10/13 14:28 |
| - | 20 | 330/\$.ccls. and switch\$3 WITH resist\$3 WITH volume | USPAT | 2004/10/13 14:44 |
| - | 0 | 330/\$.ccls. and switch\$3 WITH resist\$3 WITH volume SAME signal adj3 generat\$3 | USPAT | 2004/10/13 14:45 |
| - | 0 | 381/\$.ccls. and switch\$3 WITH resist\$3 WITH volume SAME signal adj3 generat\$3 | USPAT | 2004/10/13 14:45 |
| - | 0 | 381/\$.ccls. and switch\$3 WITH resist\$3 WITH volume SAME (PWM or pulse adj3 width adj3 modulat\$3) | USPAT | 2004/10/13 14:46 |
| - | 0 | 330/\$.ccls. and switch\$3 WITH resist\$3 WITH volume SAME (PWM or pulse adj3 width adj3 modulat\$3) | USPAT | 2004/10/13 14:46 |
| - | 6 | 330/\$.ccls. and switch\$3 WITH volume SAME (PWM or pulse adj3 width adj3 modulat\$3) | USPAT | 2004/10/13 16:04 |